

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709365

Luminaire Tested: DL2W-WB-M-0U-075D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709365
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-0U-075D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3262.9 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

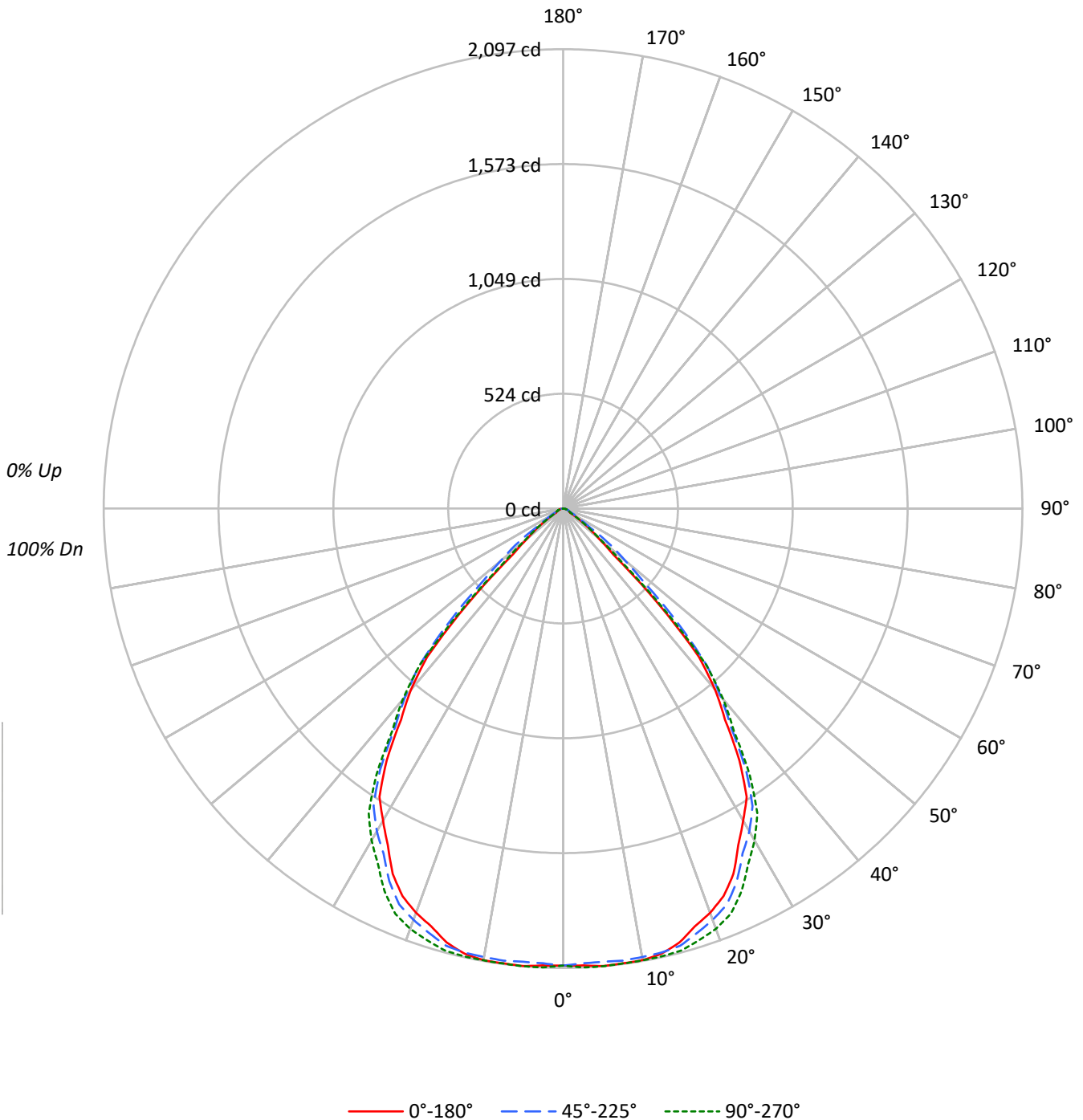
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	33680	33680	33680	33680	33680
5°	33971	33650	33987	33650	33971
10°	34315	34082	34331	34082	34315
15°	34283	34531	34902	34531	34283
20°	33728	34324	35069	34324	33728
25°	32780	33437	34347	33437	32780
30°	30650	31706	32589	31706	30650
35°	27654	28690	29309	28690	27654
40°	22763	23625	24028	23625	22763
45°	14111	17013	15025	17013	14111
50°	5375	9310	5878	9310	5375
55°	2871	4320	2899	4320	2871
60°	1227	2099	1356	2099	1227
65°	1146	1287	1223	1287	1146
70°	1133	1223	1180	1223	1133
75°	1061	1179	1185	1179	1061
80°	1023	1125	1116	1125	1023
85°	926	945	1112	945	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 17102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	6.1
10°-20°	583.2	17.9
20°-30°	862.3	26.4
30°-40°	892.2	27.3
40°-50°	536.6	16.4
50°-60°	128.3	3.9
60°-70°	35.1	1.1
70°-80°	19.6	0.6
80°-90°	6.2	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1644.9	50.4
0°-40°	2537.1	77.8
0°-60°	3202.0	98.1
0°-90°	3262.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3262.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2086	2086	2086	2086	2086	
5°	2096	2076	2097	2076	2096	200
15°	2051	2066	2088	2066	2051	576
25°	1840	1877	1928	1877	1840	839
35°	1403	1456	1487	1456	1403	863
45°	618	745	658	745	618	472
55°	102	153	103	153	102	99
65°	30	34	32	34	30	30
75°	17	19	19	19	17	18
85°	5	5	6	5	5	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2087.6	2089.4	2091.2	2085.7	2077.9	2077.7	2085.2	2091.4	2093.9	2096.4	2093.9
5°	2096.0	2097.3	2098.7	2089.7	2077.2	2075.2	2083.7	2090.8	2093.9	2097.0	2093.9
7.5°	2093.8	2095.8	2097.9	2091.3	2081.9	2080.4	2086.9	2092.1	2093.5	2094.8	2093.5
10°	2093.0	2094.3	2095.7	2088.7	2078.9	2078.7	2088.0	2094.9	2094.4	2094.0	2094.4
12.5°	2081.0	2084.1	2087.2	2082.3	2074.6	2077.6	2091.2	2100.5	2096.8	2093.2	2096.8
15°	2051.0	2055.4	2059.9	2061.0	2061.0	2070.6	2089.7	2102.2	2095.1	2088.0	2095.1
17.5°	1999.8	2005.2	2010.6	2017.1	2024.0	2040.2	2065.7	2082.7	2074.2	2065.8	2074.2
20°	1963.0	1965.2	1967.4	1976.3	1987.4	2007.9	2037.7	2057.9	2049.4	2041.0	2049.4
22.5°	1915.0	1918.6	1922.3	1932.3	1944.5	1966.6	1998.5	2020.1	2011.0	2001.8	2011.0
25°	1840.0	1844.9	1849.8	1857.7	1866.6	1887.2	1919.7	1942.2	1935.1	1928.0	1935.1
27.5°	1732.0	1738.8	1745.5	1754.8	1764.9	1785.2	1815.6	1837.4	1833.5	1829.6	1833.5
30°	1644.0	1654.7	1665.3	1678.0	1691.3	1710.0	1734.0	1751.6	1749.8	1748.0	1749.8
32.5°	1560.0	1568.5	1577.1	1588.7	1601.3	1618.2	1639.3	1654.8	1653.0	1651.2	1653.0
35°	1403.0	1411.9	1420.8	1434.0	1448.7	1462.4	1475.3	1485.2	1486.1	1487.0	1486.1
37.5°	1215.2	1224.2	1233.2	1244.1	1255.6	1266.5	1276.7	1284.1	1282.8	1281.6	1282.8
40°	1080.0	1082.2	1084.4	1097.7	1114.6	1127.2	1135.7	1141.8	1140.9	1140.0	1140.9
42.5°	918.4	928.8	939.2	951.5	964.5	976.8	988.5	993.9	980.5	967.2	980.5
45°	618.0	660.7	703.3	725.7	741.2	749.0	749.0	738.9	698.4	658.0	698.4
47.5°	310.8	362.6	414.4	462.1	508.3	518.9	493.9	463.7	417.6	371.6	417.6
50°	214.0	231.3	248.7	301.0	365.0	376.3	335.0	296.2	265.1	234.0	265.1
52.5°	157.2	166.4	175.5	218.3	272.4	277.7	234.2	197.6	181.8	166.0	181.8
55°	102.0	105.6	109.1	128.3	152.8	154.1	132.3	114.6	108.8	103.0	108.8
57.5°	62.0	67.6	73.2	81.0	89.5	89.5	81.0	73.1	67.2	61.2	67.2
60°	38.0	42.9	47.8	55.7	64.6	65.4	58.3	51.8	46.9	42.0	46.9
62.5°	34.8	36.5	38.2	43.9	51.0	51.6	45.5	40.5	38.4	36.4	38.4
65°	30.0	30.9	31.8	32.7	33.6	33.8	33.3	32.9	32.4	32.0	32.4
67.5°	26.4	27.2	28.0	28.3	28.4	28.6	28.9	29.1	28.6	28.2	28.6
70°	24.0	24.4	24.9	25.3	25.8	26.0	26.0	25.9	25.4	25.0	25.4
72.5°	20.8	21.6	22.4	22.7	22.8	23.0	23.3	23.5	23.0	22.6	23.0
75°	17.0	17.4	17.9	18.3	18.8	19.0	19.0	19.0	19.0	19.0	19.0
77.5°	13.4	13.8	14.3	14.4	14.4	14.6	15.1	15.3	14.8	14.4	14.8
80°	11.0	11.4	11.9	12.0	12.0	12.2	12.7	12.9	12.4	12.0	12.4
82.5°	8.6	9.0	9.5	9.6	9.6	9.6	9.7	9.8	9.7	9.6	9.7
85°	5.0	5.0	5.0	5.0	5.0	5.2	5.7	6.0	6.0	6.0	6.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.8	2.1	2.3	2.0	1.6	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0	2086.0
2.5°	2091.4	2085.2	2077.7	2077.9	2085.7	2091.2	2089.4	2087.6
5°	2090.8	2083.7	2075.2	2077.2	2089.7	2098.7	2097.3	2096.0
7.5°	2092.1	2086.9	2080.4	2081.9	2091.3	2097.9	2095.8	2093.8
10°	2094.9	2088.0	2078.7	2078.9	2088.7	2095.7	2094.3	2093.0
12.5°	2100.5	2091.2	2077.6	2074.6	2082.3	2087.2	2084.1	2081.0
15°	2102.2	2089.7	2070.6	2061.0	2061.0	2059.9	2055.4	2051.0
17.5°	2082.7	2065.7	2040.2	2024.0	2017.1	2010.6	2005.2	1999.8
20°	2057.9	2037.7	2007.9	1987.4	1976.3	1967.4	1965.2	1963.0
22.5°	2020.1	1998.5	1966.6	1944.5	1932.3	1922.3	1918.6	1915.0
25°	1942.2	1919.7	1887.2	1866.6	1857.7	1849.8	1844.9	1840.0
27.5°	1837.4	1815.6	1785.2	1764.9	1754.8	1745.5	1738.8	1732.0
30°	1751.6	1734.0	1710.0	1691.3	1678.0	1665.3	1654.7	1644.0
32.5°	1654.8	1639.3	1618.2	1601.3	1588.7	1577.1	1568.5	1560.0
35°	1485.2	1475.3	1462.4	1448.7	1434.0	1420.8	1411.9	1403.0
37.5°	1284.1	1276.7	1266.5	1255.6	1244.1	1233.2	1224.2	1215.2
40°	1141.8	1135.7	1127.2	1114.6	1097.7	1084.4	1082.2	1080.0
42.5°	993.9	988.5	976.8	964.5	951.5	939.2	928.8	918.4
45°	738.9	749.0	749.0	741.2	725.7	703.3	660.7	618.0
47.5°	463.7	493.9	518.9	508.3	462.1	414.4	362.6	310.8
50°	296.2	335.0	376.3	365.0	301.0	248.7	231.3	214.0
52.5°	197.6	234.2	277.7	272.4	218.3	175.5	166.4	157.2
55°	114.6	132.3	154.1	152.8	128.3	109.1	105.6	102.0
57.5°	73.1	81.0	89.5	89.5	81.0	73.2	67.6	62.0
60°	51.8	58.3	65.4	64.6	55.7	47.8	42.9	38.0
62.5°	40.5	45.5	51.6	51.0	43.9	38.2	36.5	34.8
65°	32.9	33.3	33.8	33.6	32.7	31.8	30.9	30.0
67.5°	29.1	28.9	28.6	28.4	28.3	28.0	27.2	26.4
70°	25.9	26.0	26.0	25.8	25.3	24.9	24.4	24.0
72.5°	23.5	23.3	23.0	22.8	22.7	22.4	21.6	20.8
75°	19.0	19.0	19.0	18.8	18.3	17.9	17.4	17.0
77.5°	15.3	15.1	14.6	14.4	14.4	14.3	13.8	13.4
80°	12.9	12.7	12.2	12.0	12.0	11.9	11.4	11.0
82.5°	9.8	9.7	9.6	9.6	9.6	9.5	9.0	8.6
85°	6.0	5.7	5.2	5.0	5.0	5.0	5.0	5.0
87.5°	2.3	2.1	1.8	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)